










ROTOR OF SYNCHRONOUS MOTOR.

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Abstract of EP0641059

A rotor (10) includes a plurality of permanent magnets (14) disposed substantially equidistantly round a shaft (12) and a plurality of laminated core members (16) each being disposed between the permanent magnets (14) and forming a magnetic pole. The laminated core members (16) are formed by laminating and bonding a large number of thin magnetic plate cores (26) and integral type thin cores. The integral type thin core (26) includes a plurality of thin core portions having the same shape and connecting portions (46) for connecting mutually the adjacent thin core portions. When a large number of thin cores (26) and integral type thin cores are integrally joined by a press work, each laminated core member (16) is mutually interconnected between the adjacent laminated core members (16) with a relative arrangement at the time of completion of assembly having installation spaces of the permanent magnets (14), and an integrated type laminate rotor core (48) is formed.

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